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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Kanti Jain, et al.
Serial No. : 08/483,728
Filing Date : June 7, 1995
For : MACROENCAPSULATED SECRETORY CELLS
Group Art Unit : 1808
Examiner : D. Naff

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INFORMATION DISCLOSURE STATEMENT

S I R :

In accordance with their duty of disclosure, applicants wish
to make the accompanying references of record.

U.S. Patent No. 5,227,298 to Weber, et al. teaches
encapsulation of tissues and/or cells, in water soluble materials
which may be gelled to form beads. The materials are based on
calcium alginate gels. Note column 8, e.g., the "microcapsules"
formed are described as being translucent spheres, ranging from
500 to 800 μ in diameter.

U.S. Patent No. 5,053,332 to Cook, et al. was cited by the
examiner in the parent application.

U.S. Patent No. 4,997,443 to Walthall, et al. teaches incorporation of cells into a matrix polymer/reversible gel polymer. Particle size is given as 20 to 500 μ .

U.S. Patent No. 4,971,833 to Larsson, et al. was cited by the examiner in the parent application.

U.S. Patent No. 4,902,295 to Walthall, et al. is the parent of the '443 patent cited supra.

U.S. Patent No. 4,798,786 to Tice, et al. was cited by the examiner in the parent application.

U.S. Patent No. 4,673,566 to Goosen, et al. was cited by the examiner in the parent application.

U.S. Patent No. 4,663,286 to Tsang, et al. was cited by the examiner in the parent application.

U.S. Patent No. 4,647,536 to Mosbach, et al. was cited by the examiner in the parent application.

U.S. Patent No. 4,409,331 to Lim discloses the encapsulation of cells in a permeable membrane.

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U.S. Patent No. 4,391,909 to Lim teaches encapsulation of cells in cross-linked acid groups containing polysaccharides.

U.S. Patent No. 4,352,883 to Lim is parent to the '909 application.

Brodelius, et al., "Entrapment Of Plant Cells In Different Matrices," FEBS Letters: 122(2): 312-316 (1980) was cited by the examiner in the parent application.

It is believed that the claims are patentable over this art, and a holding to that end is urged.

Respectfully submitted,

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